

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064491 A1

(51) International Patent Classification⁷: **A01D 34/416**

(21) International Application Number:
PCT/IB2004/000436

(22) International Filing Date: 23 January 2004 (23.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0300715 23 January 2003 (23.01.2003) FR

(71) Applicant (for all designated States except US): **SPEED FRANCE** [FR/FR]; Parc d'Activité d'Arnas, 53, Rue de Chavanne, F-69400 Arnas (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LEGRAND, Emmanuel** [FR/FR]; Le Bourg, F-01480 Villeneuve (FR).

(74) Agents: **MARTIN, Jean-Jacques et al.**; Cabinet Regimbeau, 20, Rue De Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

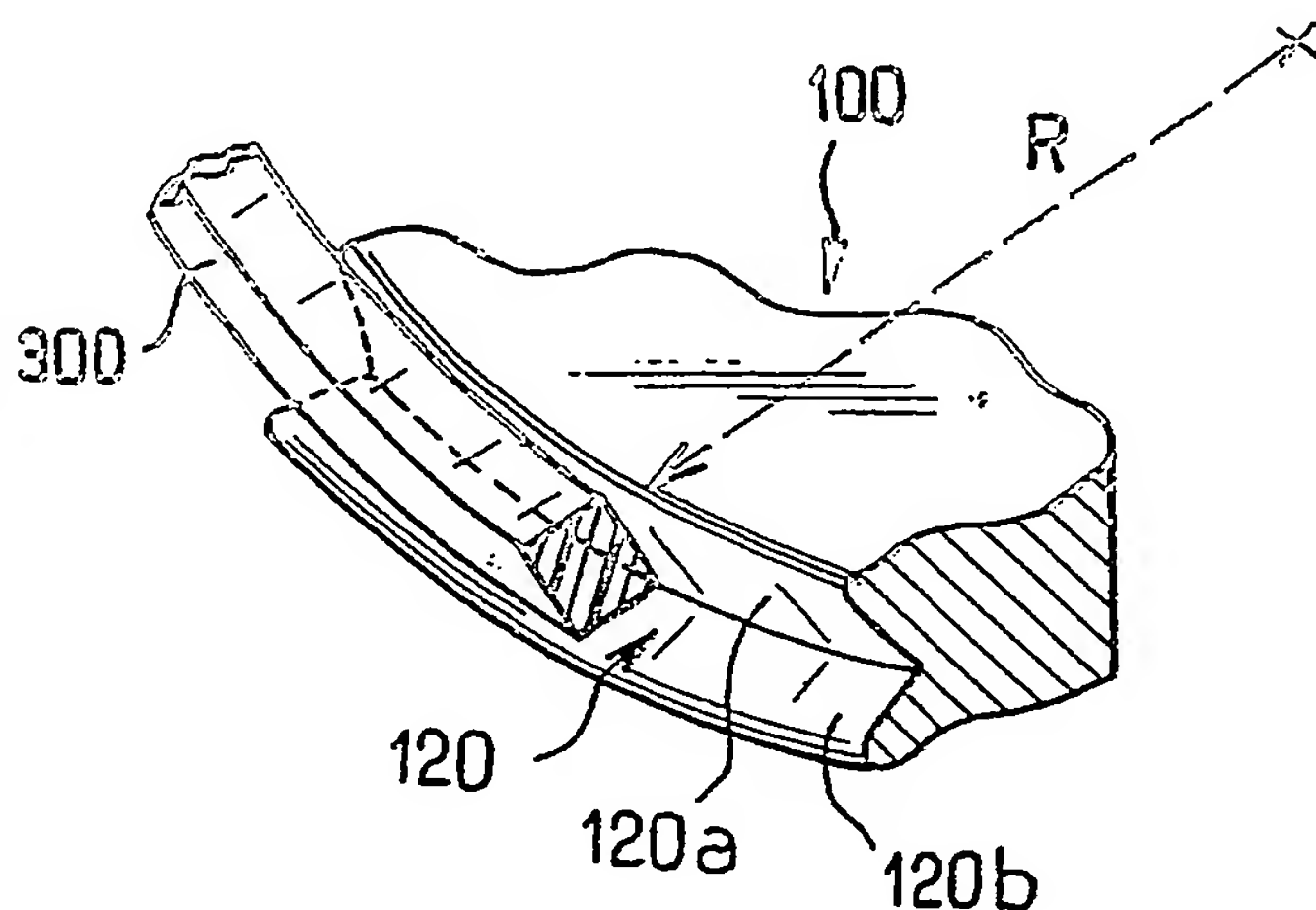
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A CUTTING HEAD FOR A BRUSH CUTTER, EDGE TRIMMER OR SIMILAR



(57) Abstract: A cutting head for brush cutter, edge trimmer or similar comprises a passageway (112) for a cutting string (300) and at least one fillet (120) to support the string extending between a string outlet region of the said passageway and peripheral region of the head. According to the invention, the surface of the fillet presents a recessed profile (120a, 120b) which is substantially complementary to a part of the cross-section of the cutting string (300), in order to guide the cutting string in this recess when the string flexes in a direction opposite to the rotation of the head to rest against the fillet. Thus the trajectory of the string can be stabilized and its fatigue limited when there are successive impacts against the fillet.

WO 2004/064491 A1